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No. 33] NW DELHI, SATURDAY, AUGUST 16, 1997 (SRAVANA 25, 1919)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

IPART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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पेटेंट कार्यालय

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कलकत्ता, दिनांक 18 अगस्त 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, विल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार और के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोबर परसे (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
बावर और नगर हवेली ।

तार पता-“पेटोपिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
मगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा विल्ली राज्य
क्षेत्री एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए)

तीसरा तल, राजाजी भवन, बसन्त नगर,

चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, कोरन, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिमिकाष
तथा एमिनिविषि-द्वीप ।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - “पेटेंट्स”

पेटेंट अभिनियम, 1970 या पेटेंट नियम, 1972 में
अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयोग के कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आवेष या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
बैंक द्वारा की जा सकती है ।

CORRIGENDUM

Under the heading "PATENT SEALED" in the Gazette of India, Part-in, Sec-2 dated 23rd May 1997, notified on 21st June, 1997 read the Patent No. 177063 instead of 177192 as the number in K was erroneously made.

APPLICATIONS FOR PATENTS FILED AT

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RAJAJI BHAVAN, BESANT NAQAR,
CHENNAI-600 090.

28th April, 1997.

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5th May 1997

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947/Mas/y7 Si.Jn liiloiit'-tior-dlc Rt-scirch, Munt.\$chappij D.V. ,ippj!-i:t:ls and, meihod loi 'he sepan'on and l'icp'ing of fluid catalyst ciackirtg «f parti-cks, fiorn gufcoii.i hyjrocinbonsi. (May R, IV ^, U.S.A).

hih i>iy |y</-

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?55/Mas,97 Saciet'i dgd Pioduit* Nestle S.A. Prepanition of pasiiK. (MaiV JS. 19V6; United StuU>).

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7th May 1997

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- 2145/Del/96 The Chief Controller Research & Development, Ministry of Defence, New Delhi India. "A Process for Preparation of Titanium 5-Ti Based Materials with Superior Mechanical Properties".
- 2146/Del/96 Honda Giken Kogyo Kabushiki Kaisha, Japan. "Crankshaft Structure of Four-Cycle Internal Combustion Engine". (Convention date 21st November, 1995) Japan.
- 2147/Del/96 Honda Giken Kogyo Kabushiki Kaisha, Japan. "Assist Step for Passenger of Motorcycle". (Convention date 7th November, 1995) Japan.
- 2148/Del/96 The Gillette Company, U.S.A. "Type Dispenser". (Convention date 2nd October 1995) U.S.A.
- 2149/Del/96 The Gillette Company, U.S.A. "Type Dispenser". (Convention date 2nd October 1995) U.S.A.
- 2150/Del/96 Rittai-werk Rudolf Loh GmbH & Co., KG., Germany. "Rack Framework for a Switchgear Cabinet". (Convention date 4th October, 1995) Germany.
- 2151/Del/96 Motorola, Inc., U.S.A. "Method and Apparatus for Providing Continuity of Communication in a Satellite-Based Telecommunication System". (Convention date 2nd October, 1995) U.S.A.
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- 2153/Del/96 Rittai-werk Rudolf Loh GmbH & Co., KG., Germany. "Frame Portions for a Switchgear Cabinet". (Convention date 4th October, 1995) Germany.
- 2154/Del/96 Honda Giken Kogyo Kabushiki Kaisha, Japan. "Oil Feeding Apparatus for a Four-Cycle Internal Combustion Engine". (Convention date 24th November, 1995) Japan.
- 2155/Del/96 Smith & Nephew Endoscopy Inc., U.S.A. "Surgical Instrument with Embedded Guiding Element". (Convention date 2nd October, 1995) U.S.A.
- 2156/Del/96 Mohinder Paul Chawla, U.S.A. "Advanced Balancing Process for Crank Shaft". (Convention date October 18, 1993) U.S.A.
1-10-96
- 2157/Del/96 Gurdip Singh Chawla, India. "An Improvement Relating to Oscillating Motor for Fans".

215&/t)el/96. Ishikawajirna-Harima Jukogyo. Kabushiki Kaisha, Japan, "Classifier".

2159/Del/96. Boehringer Ingelheim International GMBH, Germany. "Device for Holding n F.vidic Component". (Convention date 4th October, 1995) Germany.

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2162/Del/96. Boehringer Ingelheim International GMBH, Germany. "Device for Producing High Pressure in a Fluid in Miniature". (Convention date 4th October, 1995) Germany.

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2164/Del/96. Bayer Aktiengesellschaft, Germany. "Carbohydrate-Modified Cytostatics".

2165/Del/96. L. G. Electronics Inc., Korea. "A Temperature Sensing Apparatus of a Refrigerator". (Convention date 4th January, 1966) Korea.

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3-10-96

2167/Del/96. Terumo Kabushiki Kaisha, Japan. "Blood Component Preservation Container and Multilayered Container System". (Convention, date 3rd October, 1995) Japan.

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2169/Del/96. Cofap-Companhia Fabricadora De Pecan, Brasil. "A Spray Nozzle and System for Coating Piston Rings".

4-10-96

2170/Del/96. Council of Scientific and Industrial Research, India. "An Improved Process for the Preparation of Xanthophyll from Marigold Flowers (Tagetes Erecta)".

2171/Del/96. L. O. Electronics Inc., Korea. "Rotary Compressor". (Convention date 9th October, 1995) Korea.

2172/Del/96. Snresh Narain Mathur, India. "An Air conditioner".

2173/Del/96. General Electric Company, U.S.A. "Thermoplastic Elastomer Composition Containing Chlorinated Polyolefin and Craft Polymer".

2174/Del/96. Lenzing Aktiengesellschaft, Austria. "Process for the Production of Cellulose Fibres". (Convention date 13th October, 1995) Austria.

2175/Del/96. Normihir-Garrett (Hindustan) Limited, U.K. "Oxygen Generating Device". (Convention date 7th October, 1995) U.K.

2176/Del/96. Hong Lee Pee, Malaysia. "Airport and On-Board of Airport". (Convention date 1st October, 1996).

2177/Del/96. Sunpower, Inc. U.S.A. "Mainnet Support Sleeve for Linear Electromechanical Transducer". Convention date 6. October, 1995) U.S.A.

2178/Del/96. The Procter & Gamble Company, U.S.A. "Method and Apparatus for Feeding Resiliently Compressed Articles to a Form/Fill/Seal Machine". (Convention date 1st December, 1995) U.S.A.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month) applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदन में से किसी पर पेटेंट अनुदान के विरोध करने के लक्ष्य को ध्यान में रखते हुए, इसके निर्माण की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदनित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिर्देशों की संक्षिप्त अथवा फोटो प्रतियाँ की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-वातावरण द्वारा सनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर पत्र 2 में गणना करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 55-F

179041

Agent : DePenning & DePenning, Madras.

Int. Cl.*: A 61 K 9/00

A METHOD OF MAKING AN INJECTIBLE ULTRASOUND CONTRAST AGENT.

Applicant : BRACCO RESEARCH S.A., A SWISS COMPANY, OF 7, ROUTE DE DRIZE, CH-1227 CAROUGE-GENEVE, SWITZERLAND.

Inventors: (1) YAN FENG, SUISSE. (2) SCHNEIDER MICHEL, SUISSE. (3) BROCHOT JEAN, FRANCE.

Application No. 1166/Mas/94 dated November 24, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Chennai Branch,

10 Claims

A method of making an injectible ultrasound contrast agent comprising of a suspension of gas filled microbubble or microballoons in a physiologically acceptable aqueous carrier comprising usual surfactants additives and stabilisers, characterised in that the gas is a gas mixture of at least two biocompatible gases A and B in which at least one gas (B) present in an amount of between 0.5—41% by vol. has a molecular weight greater than 80 daltons and its solubility in water is below 0.0283 ml of gas per ml of water measured under standard conditions the balance of the mixture being gas A, the minimum effective proportion of the gas component (B) in said mixture of gases being determined according to the criteria.

$$B_c \% = K/b^{BMwt} + C$$

in which B_c % "by vol." is the total quantity of the component B in the mixture, K, C and b are constants with values of 140, 10.8 and 0.012 respectively, M_B represent the molecular weight of the component B which is 80.

Ref. cited : EURO PATENT No. 554,213.

Agents : M/s. DePenning & DePenning.

(Com. 32 pages;

Drwgs. 6. sheets)

Ind. Cl. : 33-A

179042

Int. Cl.*: B 22 D 11/14

A ROLL FOR A DEVICE FOR THE CONTINUOUS CASTING OF THIN METAL PRODUCTS ON ONE ROLL OR BETWEEN TWO ROLLS.

Applicant : USINOR SACLOR, OF 4 PLACE DE LA PYRAMIDE, LA DEFENCE, 92800 PUTEAUX, FRANCE, A FRENCH COMPANY.

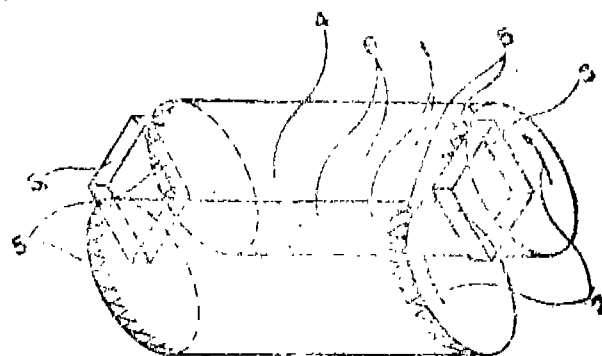
Inventors: 1. BLIN PHILIPPE, 2. SOSIN*LAURENT, 3. LOISON DOMINIQUE,

Application No. 883/Mas/90 filed on 5th November, 1990.

Appropriate Office for Opposition Proceedings* (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

6 Claims

A roll (or a device for continuous casting of thin metal products on one roll or between two rolls, characterised in that, cylindrical casting surface of the roll is divided into at least three circumferential zones, at least one (5) of said zones having a roughness which is greater than the roughness of the other zones (6).



(Com. 16 pages ;

Drwgs. 1 sheet)

Ind. Cl. : 134A

179043

Int. O-4 : F 01 N 7/08

AN EXHAUSTIVE SYSTEM FOR BUSES, TRUCKS, LORRIES AND LIKE AUTOMOBILES.

Applicant. RAMANUJAPURAM TIRUNARAYANA IYENGAR KRISHNA, AN INDIAN CITIZEN, NO. 65/L I FLOOR, 'KANNIKA', 8TH CROSS, MALLAHWARAM, FANGALOR-560 003, KARNATAKA STATE, INDIA.

Inventor : RAMANUJAPURAM TIRUNARAYANA IYENGAR KMSHNA.

Application No. 707/Mas/90 filed on 5th September 1990.

Complete Specification date : 3 December 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

2 Claims

An exhaust system for buses, trucks, lorries and like automobiles characterised in that the exhaust tubes are provided vertically so as to allow the exhaust gases to rise approximately ten feet above the ground level, the said exhaust tube is a leak proof tube the emission end of the vehicle exhaust pipe being placed in the vertical tube.

EP 0459249

Agent : Mr. A. V. Nathan.

(Com- 15 page*

Drwgs. 2 sheets)

Ind. Cl. : 27 I

179044

Int. Cl. : B 29 C 55/00

A METHOD OF PRODUCING A GEOGRID.

Applicant : PLG RESEARCH LIMITED, / BRITISH COMPANY OF CENTRAL BUILDINGS, 1 PHARMOND TERRACE, BLACKBURN, LANCASHIRE BB1 7AP ENGLAND.

Inventors: 1. MERCER FRANK BRIAN, ENGLAND. 2. MARTIN KEITH FRAZER, ENGLAND. 3. IARDNER THOMAS KENNETH, ENGLAND.

Application No. 723/Mas/90, filed on 13th, September, 1990.

Convention date : September 14, 1989 (No. 97/O843.3 Or. Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

27 Claim*

A method of producing a geogrid, comprising molten an integral plastic starting material which is substantially

unoriented except for the presence of any melt-flow orientation and having at least 6 mm thickness at its thickest point; the said integral plastics starting material consisting of spaced, parallel, continuous longitudinal elements with plurality of interconnecting elements spaced along the length of each said longitudinal elements interconnecting said longitudinal elements, the said interconnecting elements and the said longitudinal elements defining holes, notional starting material junction zones defined between notional longitudinal tangent lines extending parallel to the longitudinal elements and tangent to respective holes, and notional transverse tangent lines extending parallel to the interconnecting elements and tangent to respective holes, the notional longitudinal tangent lines defining the lateral edges of the longitudinal elements, the mean thickness of the longitudinal elements being substantially greater than the mean thickness of the interconnecting elements as seen in section normal to the starting material along the axes of the centre lines of the interconnecting elements, the arc of the longitudinal elements being at least 2.5 times the area of the interconnecting elements as seen in said section and stretching the starting material in a direction parallel to the longitudinal elements to stretch the longitudinal elements into continuous, substantially uniaxially-oriented strand with the orientation extending substantially parallel to the axes of the strands substantially throughout the length of the strands, and forming a mesh structure in which mesh openings are defined by a grid comprising the interconnecting elements and the continuous oriented strand, there being a plurality of interconnecting elements spaced along this length of each continuous oriented strand, the stretching being continued until the centres of the notional junction zones have reduced thickness by at least 9.6%, the stretching being terminated while the thickness of the notional junction zones have undergone a percentage reduction in thickness substantially less than the percentage reduction in thickness of a strand entering the respective notional junction zone, as measured midway between respective notional junction zones.

Agent : DePenning & DePenning.

(Com. 5i; pages; Drwgs. 12 sheets)

Ind. Cl. : 206 E -79045

Int. Cl. : G 06 F 7/00

A DATA TRANSFER SYSTEM.

Applicant: KOMMUNEDATA I/S A DANISH NON-LIMITED COMPANY OF VESTER SOGADE 10 DK-1601 COPENHAGEN V DENMARK.

Inventors: 1. JORGEN BJERRUM, DENMARK. 2. STEEN UTTOSEN, DENMARK. 3. SVEN KJAER MELSEN, DENMARK.

Application No. 812/Mas/90, filed on October 15, 1990.

Convention date ; May 29, 1990 (No. 1929/90; Ireland).

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

H Claims

A data transfer system for transferring data from a first computer system (100) to a second computer system (200), said data transfer system comprising

a data transmission line (128, 228),

first and second electronic cards (124, 224),

a first station (122) for outputting data from the first electronic card (124), the first station (122) being connected to and communicating with the first computer system (100) and furthermore being connected to the data transmission line (128, 228) through the first computer system (100) and interfacing means, and

a second station (222) for outputting data from the second electronic card (224), the second station (222) being connected to and communicating with the second computer system (200) and furthermore being connected to the data

transmission line (128, 228) by the second computer system (200) and interfacing means,

the first and second electronic cards (124, 224) being chip cards which are detachable from the first and second station (122, 222) respectively,

the first and second electronic cards (124, 224) each comprising a central data processing unit, an input-output gate for communication with its respective station (122, 222), an encryption/decryption means as well as an internal storage, said first and second electronic cards (124, 224) together constituting a coherent set of electronic cards (124, 224) comprising coherent secret key(s) previously stored in the internal storages of the cards (124, 224) and comprising coherent encryption/decryption keys, said encryption/decryption keys being the coherent secret keys themselves or being generated by the secret keys and being input into the internal storages of the electronic cards (124, 224), and said encryption/decryption keys being used for encryption/decryption of the data.

Agent : DePenning & DePenning.

(Com. 54 pages; Drwgs. 4 sheets)

Ind. Cl. : 3G-A; 179046

Int. Cl. : F 04 D- 29/35

A ROTOK. BLADE FOR USE WITH AXIAL-FLOW MACHINES.

Applicant : KAITSUBISHI JUKOQYO KAESBKI KAI-SHA, A JAPANESE BODY CORPORATE OF 5-1 MARU-MOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. NOBUYUKI YAMAGUCHI 2. MITSUSHIGE GOTO 3. TSUNEYOSHI WITSUHAJI.

Application No. 816/Mas/90 filed on 16th October 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch.

6 Claims

A rotor blade for use with axial-flow-machines, said rotor blade comprising a blade body having a leading edge of a tip end portion thereof which is inclined forward and also extends in the direction of rotation towards a tip end surface of the blade body, and wherein the configuration of the leading edge of said tip end portion between said tip end surface and a cross section of the blade body displaced from said tip end surface towards a central portion of the blade body by 1/2 of the chord length of said tip end surface is such that an angle S of skew thereof over which the leading edge of said tip end portion advances in the direction of rotation, and an effective flow angle Qs off over which the leading edge of said tip end portion is inclined forward fall within a graphed region of angle S vs. ell delimited by the following 4 points A, B, C and D :

	A	B	C	D
S	90°	50°	50°	90°
Qs off	4°	12°	21°	27°

Agent : DePenning & DePenning.

(Com. 19 pages; Drawgs. 5 sheets)

Ind. Cl. : 154-H 179047

Int. Cl. : B 41 M 3/00

AN APPARATUS FOR PRINTING A DESIGN OR MOTIF ON THE SURFACE OF A METAL HOLLOW BODY AND A METHOD FOR PRODUCING PRINTED HOLOGRAPHIC METAL BODY.

Applicant : OECORHX LIZHNZ AO ROTZBERGSTRASSE 7, CH-636Z STANSSTAD, SWITZERLAND.

Inventor : BERNARD ANDREAS-SCHWYN.

Ind. Q. : 39C

179049

Application No. 839/MaB/90 filed on 19th October 1990.

Int. CM.: C 01 C 1/248

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office, Madras Branch,

24 Claims

An apparatus for printing a design or motif on the surface of a hollow metal body, such as a can body, having a jys-taff-affinitive coating thereon by thermal transfer of said design or motif printed on an auxiliary carrier with sub-Wmable organic dyestuffs, the said apparatus comprising "a vertically disposed turntable (11) dnvable in cycle uteps, Inandrls (19) at the "outer periphery of the turntable (11) prmpendicular to the face of the turntable, for holding bol-loV bodies (26), holding fingi-s (24) cooperating with the jnarjdxels (19), a wrapping station (14) for wrapping :uxi-liary carriers (20) around the hollow bodies (26), and at least on^ heating station (15) at the downstream of the wrapping station (14) in the direction of rotation of the turntable (11), for initiating the thermal" transfer printing.

A'ront : DePenning & Depenning.

^Cpajfl, 25 Pages;

DilaWgs. 3 sheets.)

Injl. Id. : ISO C

179048

Inl. CB : F 16 D 1/00

A RESILIENT SHAFT COUPLING SUITABLE FOR DRIVE UNITS SUCH AS DIESEL ENOINE.

Applicant : HACKFORTH GMBH & CO., KG OF HEER-STRASSE 66 4690 HERNE 2 GERMANY, A GERMAN COMPANY.

ffirfventors : 1. MANFRED LUNKE, GERMANY; 2. XILRICH FÄLZ, GERMANY; 3. JURGEN WALTER, GERMANY.

Application No. 847/Mas/90 filed on 24th October 1990.

Afjppropriate Office for Opposition Proceedings (Rule 4, Patent?, Rules, 1972), Patent Office, Madras Branch.

4. Claims

A resilient shaft coupling suitable for drive units such as diesel engine, the said resilient shaft coupling comprising a hub (1) on the input or output side, a connecting ring (2) on the respective other side, and a series connection of identical resilient annular intermediate members (A, B and C) providing rotntionally Resilient connection of hub (1) and connecting ring (2), each said annular intermediate member being formed from two ring halves situated adjacently axially in the manner of a minor image, of which each half has outer metallic annular discs (12, 13) which are assembled from ring segments, the facing areas of axially aligned portions of the ring segments (14) which are vul-esulUed onto them and which in the axial plane have a jjen/erally trapezoidal cross-section with an outwardly increasing width, the said ring segments of the one ring half being staggered, the adjacent metallic annular discs (12, 13) of the two ring halves and the adjacently situated annular intermediate members (A, B and C) being clamped together at their circumferential edges (15), a metallic annular diaphragm (21 or 22) being clamped-between the circumferential edges (15) of each pair of axially adjacently situated annular intermediate members (A, B and C) with the bore of the diaphragm closely surrounding and supported against the hub (1) for making the said coupling rigidly immovable in the radial direction and movable in axial and angular direction.

Ajeat: tJePenning & DeP«nninB-

(Com, 15 p&%M',

Drwgs. 2 sheets)

PROCESS AND APPARATUS FOR THE ENLARGEMENT OF THE SIZE OF AMMONIUM SULFATE CRYSTALS.

Applicant: BASF CORPORATION, A *TS CORPORATION 8 "CAMPUS DRJVE, PAJ.VjJIPAH.V, tf.J. 07054, U.S.A.

Inventors : WALTER, G. THOMSON. - JONATHAN K. KRAMER.

Application-No. .599-/M.is/91 Hied'on 1/h 'Uigust 1991.

Appropriate Office for OppnsiLion Procetjijrpn (Rule 4, Patents, Rujes, 1972), Puleaal Gt't.o, Miji-as ^jnjcli.

4 Claim.TM

A process for enlarEement of the avcrnse size of ammonium sulfato crystals which comprises :

(a) spraying a feed of ammonium sulfate crystals having an averagtf size of from 0.15 to 1.0 mm in a concentrated, aqueous ammonium sulfate solution at a temperature from 95°C to 110°C, the contact time of the crystals descending against a counter-current flow of gas, which retards the rate of descent of the feed against the concentrated ammonium sulfate solution being; sulf i-n t lo ieailt in enlarged ammonium sulfate crystals 11L;V.II; LJ avcregj size of at least 1.0 mm ; and

(b) heating the-enlarged ammonium sulfate crystals at a temperature from 110 to 125°C, descending against the counter-current flow of gas, to reduce their water content to not higher than 1 % by weight.

2. An apparatus* for enlarging a feed of ammonium sulfate crystals by the method as claimed in claim 1, comprising :

(a) a first chamber for receiving a feed of ammonium sulfate crystals at one end and discharging ammonium sulfate crystals of relatively high water content at its other end ;

(b) Spraying means for spraying on aqueous ammonium sulfate solution into the first chamber to supply a substantial number of individual ammonium sulfate feed crystals.

(c) Providing means for providing a current flow of ammonium sulfate crystals therethrough ;

(d) Heating means for heating the ammonium sulfate feed crystals in the first chamber at a low water content such crystals are contacted with the ammonium sulfate solution which undergoes at least partial drying, on the feed crystals, resulting in enlarged ammonium sulfate crystals of high water content;

(e) a second chamber for receiving enlarged ammonium sulfate crystals of relatively high water content discharged from the first chamber at one end and discharging enlarged, dried ammonium sulfate crystals at the other end ;

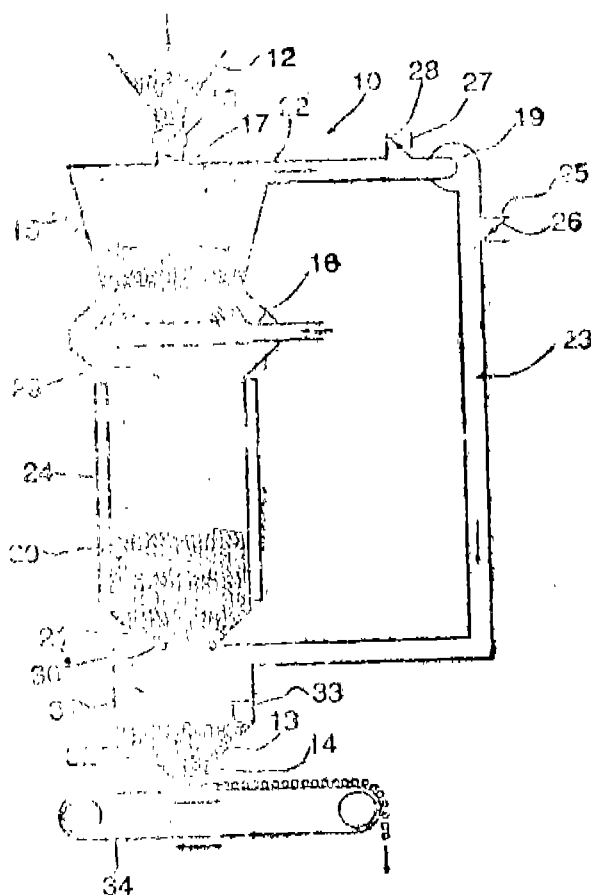
(f) providing for providing a current of gas in the second chamber which flows counter to the flow of enlarged ammonium sulfate crystals therethrough;

(g) heating means for heating the enlarged ammonium sulfate crystals in the second chamber to reduce the water content of the crystals;

(h) a third chamber for receiving enlarged ammonium sulfate crystals of reduced water content discharged from the second chamber at one end, in an amount sufficient to prevent significant leakage of the gas from the apparatus;

(i) conveying means for transferring enlarged ammonium sulfate crystals of reduced water content away from the third chamber.

Rcf, cited : U.S. Patent Nos. 1266212, 1919707, 2043067, 2092073, 2099079, 2102107, 2178082, 2226101, 2228742, 2368901, 2423794, 2805125, 2874028, 2895800.



Agent : M/s. DePenning & DePenning.

(Comp. 11 pages;

Drawgs. 1 sheet)

Ind. Cl. : 83 B*

179050

Int. Cl. : A 23 L-1/39

A METHOD OF MAKING A NEW SAUCE KNOWN AS BRAAI SAUCE, PARTICULARLY FOR USE WITH PIZZAS, PASTAS, AND FOR FLAVOURING OR GARNISHING FOOD DISHES.

Applicants & Inventors : DR. NEETA SARAIYA, INDIAN NATIONAL, OF 7, HIRAKUNJ, AAREY ROAD, GOREGAON (W), BOMBAY-400 052, MAHARASHTRA, INDIA AND DR. MOHAN DEWAN, INDIAN NATIONAL, OF 78, PODAR CHAMBERS, S. A. HRELV ROAD, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. : 141/Bom/1995 filed on 29-3-1995.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

1 Claim

A method of making a new sauce known as braai sauce, particularly for use with pizzas, pastas, and for flavouring or garnishing food dishes, which comprises mixing together 60 to 80 percent by mass of tomato puree/tomato paste/tomato ketchup, with 10 to 15 percent by mass of H. P. Sauce and 3 to 5 percent by mass of Worcester sauce;

homogenising (the mixture in a blender;

mixing together 1 to 3 percent by mass of Monosodium glutamate, common salt, and ground black pepper to form a homogeneous powder; adding the homogeneous powder to

the homogenised sauce mixture; mixing together 3 to 5 percent by mass of garlic paste with 0.5 to 1 percent by mass of chilli extract;

adding the garlic paste and chilli extract mixture to the sauce mixture and blending the same to obtain braai sauce.

(Compl. Specn. 4 pages;

Dr«». Nil.)

Cl. : 47 A C F

179051

Int. Cl.* : C 10 B 25/08, 25/00, 25/18.

AN IMPROVED DRAFT CONTROL SYSTEM IN COMBINATION WITH A NON-RECOVERY COKE OVEN BATTERY AND A METHOD FOR PRODUCING COAL USING SAID SYSTEMS.

Applicant : SUN COAL COMPANY, OF 4711 OLD KINGSTON PIKE, KNOXVILLE, TENNESSEE 37939, 0388 UNITED STATES OF AMERICA.

Inventors : 1. JAMES HARVEY CHILDRESS, 2. STEVE EDWARD NEW BERRY.

Application No. : 685/Cal/1991 filed on 10th September, 1991/

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta,

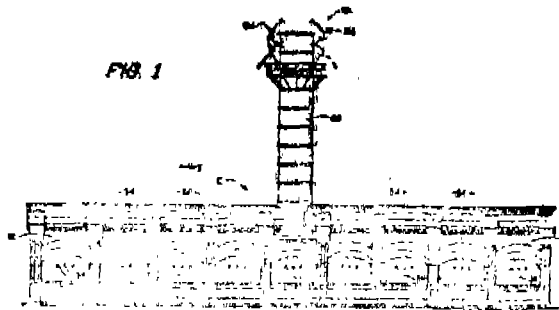
16 Claims

An improved draft control system in combination with a nonrecovery coke oven battery for producing coke from coal comprising a plurality of elongated coking ovens having open ends horizontally closed by a removable doors and constructed in side-by-side relation with adjacent ovens separated by common sidewalls, a separate system of sole flues extending beneath each opposite end portion of each oven, a plurality of downcomers in each of the common sidewalls connecting the upper portion of each adjacent oven to one of the sole flue systems beneath that oven, a plurality of uptakes in each common sidewall including at least one uptake connected to one of the sole flue systems beneath each adjacent oven, an elongated common exhaust tunnel extending above and transversely of the ovens in the battery, a stack connected to the exhaust tunnel and extending upwardly therefrom, and insulated duct means connecting the exhaust tunnel to the uptakes to provide a continuous gas flow path from each oven through the downcomers, sole flue systems, uptakes, insulated duct means, exhaust tunnel and stack to the atmosphere, the improvement wherein said draft control system comprises,

a separate insulated duct means connected between said exhaust tunnel and said at least one uptake connected to each sole flue system,

draft regulating valve means connected in each insulated duct means, each said draft regulating valve means including a refractory lined valve body having a downwardly directed opening formed therein, a movable refractory plate valve member mounted for vertical movement through said downwardly directed opening;

and first power means connected to said refractory plate valve member said first power means being operable to raise and lower said refractory plate through said opening in said valve body to control the flow of gas through each insulated duct independently.



(Compl. Specn. 25 pages;

Drawgs. 3 sheets.)

Cl. : 51 C

179052

Int. Cl. : A 47 J 17/02.

FRUIT OR VEGETABLE PEELER OR SHELLER.

Applicant : NIGHTINGALE KENNY INTERNATIONAL PTY LTD., OF C/SUITE 4, 21 STATION ROAD, INDOOROOPIILLY, QUEENSLAND, 4065, AUSTRALIA.

Inventors : PAUL OSWALD NIGHTINGALE.

Application No. : 554/Cal/1992 filed on 4th August, 1992.

(Convention No. PK0910 on 14-2-92; PK7631 on 7-8-91 & PK&701 on 2-10-91 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972J, Patent Office Calcutta.

6 Claims

A fruit or vegetable peeler or shelter including :

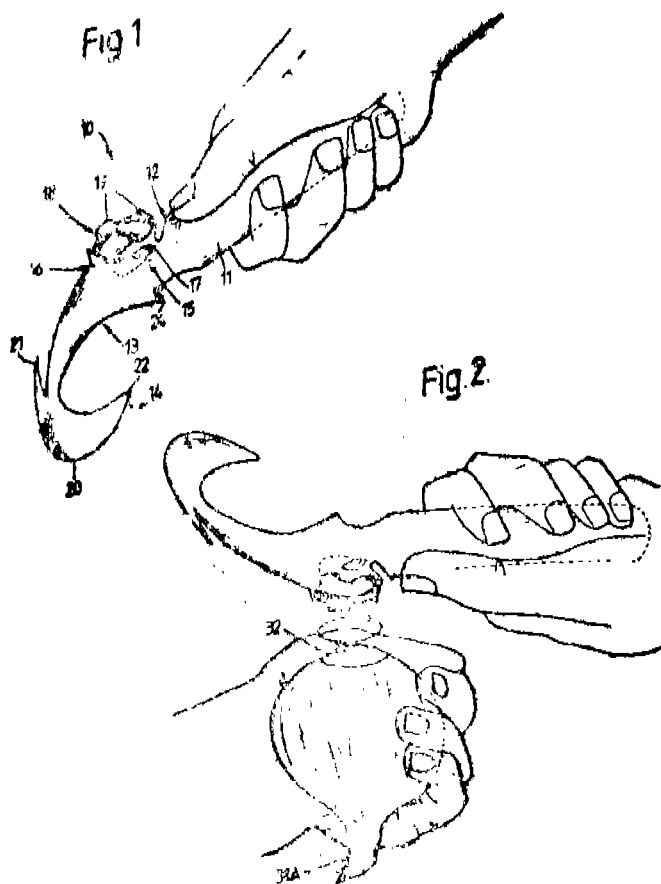
a handle having a portion to be gripped;

a neck portion extending from the handle;

• a first blade extending laterally from the neck portion to score or cut the peel or skin of a fruit or vegetable;

a second blade on the neck portion to form a circular cut or core around a core or end of the fruit or vegetable; and

a third blade at the distal end of the neck portion, spaced from the handle portion to be gripped, engageable under the peel or layer or shell of the fruit or vegetable to lift and remove the peel, layer or shell as the third blade is advanced, wherein the second blade incorporates a cutting blade assembly having four cutting edges arranged in a circle to form a circular cut when the handle is rotated through at least 90°. And said cutting blade assembly extends upwardly from the neck portion which connects the third blade to the handle.



Cl. : 134 D

1740^3

Int. Cl.* ! P 16 H 3/08.

A DEVICE FOR CONTROL OF A SPLITTER ACTUATOR OF AN AUXILIARY TRANSMISSION.

Applicant : EATON CORPORATION, OF 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114 (UNITED STATES OF AMERICA).

Inventor* :

(1) ROGER ALLEN GRAVES, JR.,

(2) WILLIAM JOSEPH MACK.

Application No. : 916/Cal/1992 filed on 24th December, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

9 Claims

A device (200) for control of a splitter actuator of an auxiliary transmission section (114) of an automated vehicular transmission system (100) comprising a compound transmission (110) comprising a main transmission section connected in series with an auxiliary transmission section (114) having a high-speed auxiliary section ratio (114a) and a low-toe auxiliary section ratio, nonsynchronized jaw clutch means (96) for engaging one of said auxiliary section ratios, a two-position fluid actuated actuator (162) for shifting the auxiliary section to a selected one of the high-speed and low-speed ratios, the said actuator comprising a differential area piston (166) with a first piston face (170) for generating a force to urge engagement of said high-speed ratio and a second piston face (168) smaller than and opposed to said first face for generating a force to urge engagement of said low-speed ratio, a position sensor (201) for sensing said actuator is in either the high-speed ratio engaged position, the low-speed ratio engaging position or an intermediate position signals indicative thereof, a fuel controlled engine (E) drivingly connected to said transmission, a fuel controller (128) for controlling the amount of fuel supplied to said engine a first two-position control valve (204) for selectively, the control system (200) for automatic shifting of a two speed splitter section comprises a two-position, differential area piston actuator (162) connected to the splitter clutch (96) and connected to pressurized air supply (174) and a filter (176) through two solenoid control valves (202, 204), a control unit (124) for receiving input signals from a position sensor (201) and rotational speed sensor (203) and for processing same according to predetermined logic rules to generate common output signals to said fuel controller and said first and second valves, means (187) effective upon sensing a selection of a shift from said low-speed to said high-speed ratio for causing both said first and second valve to assume the pressurizing positions thereof, for monitoring the position of said actuator and for causing said fuel control to reduce the supply of fuel to said engine, characterized in that the two position three-way valve (202, 204) each provided with a controlled port (207A, 204A) respectively for connection either to regulated air (174, 176) or to exhaust wherein valve (202) connected to the actuator chamber (168A) and valve (204) connected to actuator chamber (170A) and both the said valves (202, 204) are independently operable and controlling the pressurization or exhaust of actuator chambers (168A, 170A) wherein;

(a) If the actuator is sensed as moving to the high-speed ratio engagement position, for returning fuel control to the operator and for returning the first valve in the pressurizing position for a predetermined time, then for causing both valves to assume the exhausting position thereof, or

(b) If the actuator is sensed as moving to and remaining in the intermediate position, causing both valves to move to the exhausting position thereof, for causing the fuel control to the engine to rotate a target synchronous rotation until the synchronous rotation of the high-speed ratio jaw clutch is sensed, for causing at least the first valve to assume the pressurizing position, then when the actuator is sensed

moving to the high-speed ratio engaging position thereof, for returning fuel control to the operator and for retaining at least the first valve in the pressurized position for a pre-

Drgns : 4 sheets)

179054

A tENSCV* FOR tAUT, WIRE FENCE INTRUSION DETECTIONt.

Inventor,; vJVOD PRAX/SH.

Ai.r»Jkr,Kn No. 19', C; I/.993 filed on 6th April, 1993.

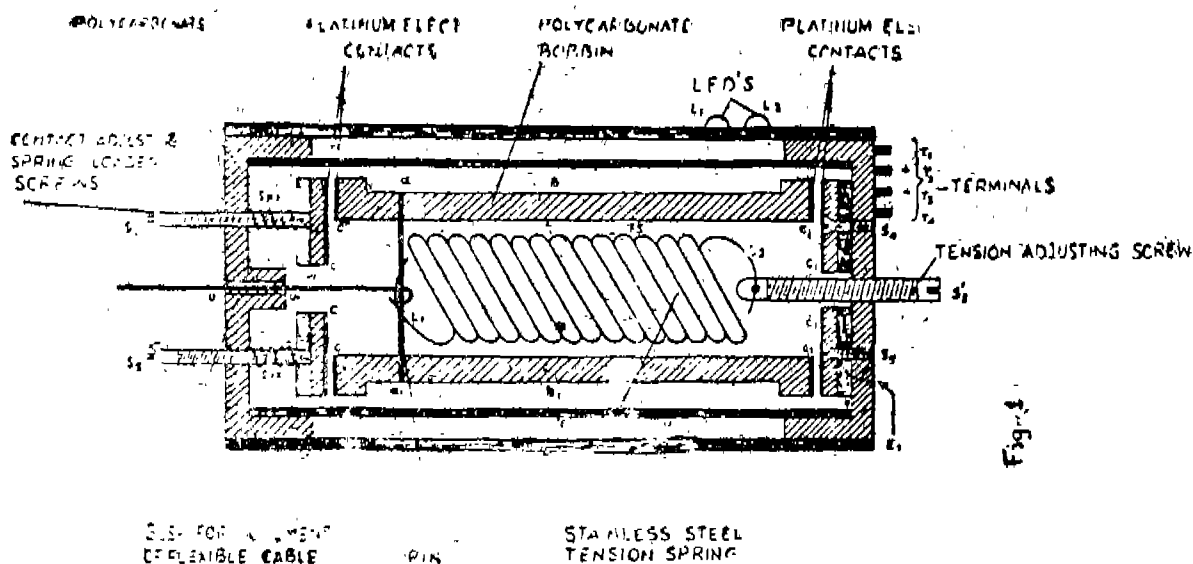
(Conii' = Specinc-jitji: ki': Biter provisional OJ 4th. April, 1994).

Appropriation." Officer Tor Orlington Proceeding) (Rule 4, Patent Rule H7?), Patent Office Calcutta.

6 Claiins

-A sensor for taut wire fence intrusion defection, which is, of relatively simple, rigid, weather/tamper-proof construction, and capable of providing audible-visual alarms at a distant monitoring station, in the event of any fence intrusion, comprising a flexible spring steel hollow cylindrical bobbin of metal, insulating, TOP Serial, which is held floatingly and substantially concentrically inside a substantially cylindrical housing having two covers, one, made of an

electrical insulating material, one at each of its two longitudinal ends, termed 'free end' and 'fixed end'; two annular metallic discs CC, Cj, Ci connected internally to the 'powijvff' line of a dc power supply being fixed one at each longitudinal end of said bobbin; on an annular metallic disc C'ic' being fixed to the inside surface of the cover at said fixed end of the housing; one annular metallic disc CC attached to an annular disc made of an electrical insulating material being held inside the housing in a position facing the metallic disc CC fixed at the adjacent longitudinal end of the bobbin, by means of two spring-loaded screws Ss, protruding two threaded holes in the cover at the said free end of the housing in a manner to allow adjustment of the gap between the said two metallic discs, namely the one fixed to the adjacent longitudinal end of the bobbin and the other held by the spring-loaded screws, by turning the said spring-loaded screws the initial gap between the said two metallic discs can be adjusted to a preset value; a cotter aa, fitted diametrically inside the bobbin end supported by the bobbin wall near its longitudinal end adjoining the cover at the free end of the housing, one end of the spiral spring and one end of a flexible wire protruding outside the housing through a bush UU, at the central part of the cover at the free end of the housing being linked/looped at the central part of said cotter; a screw Si provided with a lateral hole near its end inside the housing, protruding outside the housing through a threaded hole at the central part of the cover at the fixed end of the housing and being looped with the end of the spiral spring lying adjacent the cover at the fixed end of the housing through the said lateral hole in the screw by means of which the transverse lateral pressure applied to the taut wire linked to the said flexible wire outside the housing for operation of the sensor can be adjusted to a present level; one red LED Li and one green LED La fitted on the outside surface of the housing and electrically connected to an in-built known electronic detecting and triggering circuitry provided with the sensor for producing visual indication of the operating state of the sensor during use; and at least four terminals Tj, Ta, Ts, T* provided on outside surface of the cover at the said fixed end of the housing for electrically connecting a dc power supply and also the said in-built known electronic detecting and triggering circuitry with the sensor.



Drgns. Nil.)

Drgns. '02 sheets.)

O.,. 112 F

17W5S

Cl. : 187 C4

179056

Int. Cl. : F 21 V 7/22.

Int. a. : H 04 Q 5/02, 3/78.

LIGHTING APPARATUS.

Applicant : OPTICAL & TEXTILE LIMITED, OF 1 HYDE PARK PLACE, LONDON W 2, UNITED KINGDOM.

likvWoni : DEREK CROSBY LIGHTBODY.

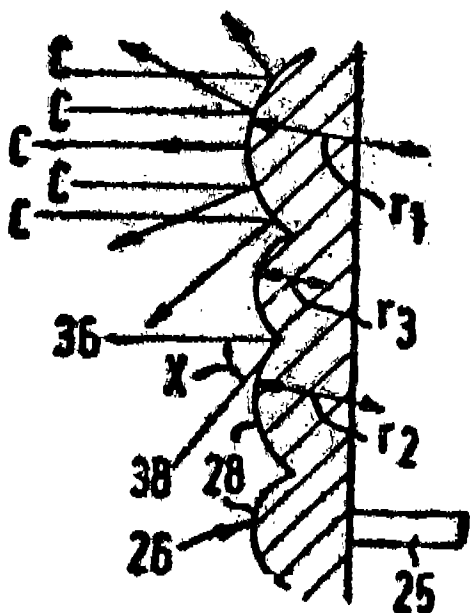
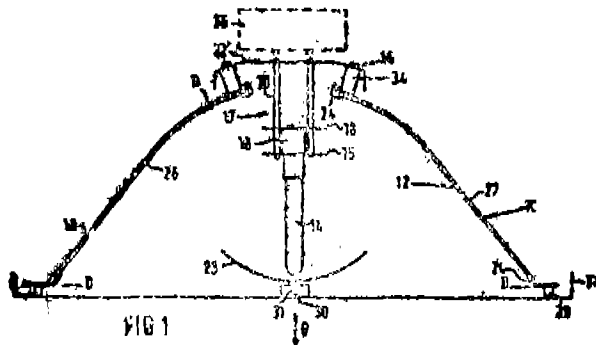
Application No. 200/Cal/1993 filed on 7th April, 1993.

(Convention No. 9208338.5 on 15-04-1992 & 9214193.6 on 03-07-1992 in United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

12 Claims

A lighting apparatus for illuminating R subject without causing an appreciable shadow, which apparatus comprises a holder (16) for holding a lamp, a reflector (12) for reflecting light from the lamp towards the subject, an element (23) located in front of the lamp for preventing light from passing directly from the lamp onto the subject, which reflector (12) comprises a reflecting surface at least 500 mm in diameter and composed of a plurality of convex domed light reflecting element* (28) having a diameter or from 0.5 mm to 20 mm, said light reflecting elements constituting it least 90% (by area) of the reflecting surface.



(Compl. Specn. 10 pages;

Drgns. 2 sheets.)

3 -197 GI/97

A SUBSCRIBER IDENTITY MODULE FOR USE WITH A SUBSCRIBER UNIT OF A MOBILE TELEPHONE SYSTEM.

Applicant : COMVIK GSM AB, OF P.O. DOX J23, S-126 HAGERSTEN, SWEDEN.

Inventors : IULIN TOMAS.

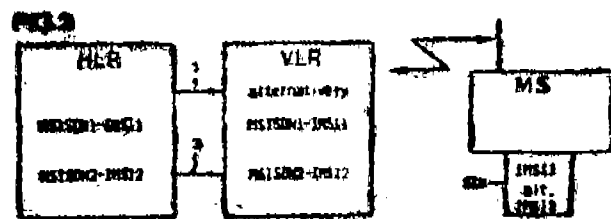
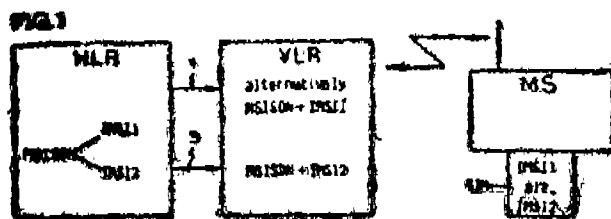
Application No. 204/Cal/1993 filed on 8th April, 1993.

(Convention No. 242 272 on 8-4-92 in New Zealand).

Appropriate Office for Opposition Proceedings (Rule 4> Patent Rule 1972), Patent Office Calcutta.

5 Claims

A subscriber identity module for use in controlling subscriber units in a telephone system, preferably a mobile telephone system comprising modular means, characterized in that, it comprises at least two identities as described and illustrated in the drawing (IMSI 1 and IMSI 2) which are selectively activatable by said modular means."



(Compl. Specn. 11 pages;

Drgns. 3 sheets.)

Cl. : 32 E

179057

Int. Q. : C 08 J 7/12, A 61 B 5/06.

A METHOD FOR PRODUCING A MODIFIED SURFACE OF AN ORGANOPOLY SILOXANE SUBSTRATE,

Applicant : GENERAL ELECTRIC COMPANY, OF 1 ROVER ROAD, SCHENECTADY 12345, NEW YORK, UNITED STATES OF AMERICA.

Inventor : ROLF RAINER SIEGEL,

Application No. 271/Cal/1993 filed on 13th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

14 Claims

A method for producing a modified surface of an organo-poly-siloxane substrate comprising :

- (i) contacting in a known manner the surface of the substrate with a solution, or suspension of alkali metal hydroxide
- (ii) washing the surface
- (iii) contacting the surface with an ion-containing solution or suspension such as herein described method
- (iv) washing the surface.

if desired contacting the surface with a different ion-containing solution or suspension and then washing the surface.

(Compl. Specn. 21 page?;

Drgs. Nil)

Q. : 128 H

179038

Int. O. : A 61 J 3/00, A 61 P 5/47.

AN APPARATUS FOR MAKING A TUBULAR MEDICINAL CAPSULE INSTALLED ON A ROD-LIKE SUPPORT.

Applicant : LEIRAS OY, OF PANSIONATIE 43-47, 8F-20210 TURKU, FINLAND.

Inventors : (1) TIMO HILLI,
(2) ROLF HARTZELL,
(3) PEKKA NJEMTINEN,
(4) PEKKA LANKINEN.

Application No. 412/Cnl/1993 filed on 19th July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) •Patent Office Calcutta.

2 Claims

An apparatus for making a tubular medicinal capsule (1), installed on a rod-like support (3), said capsule being preferably a coated medicinal capsule such as contraceptive capsule and said rod-like support (3) being preferably in the form of an anchor-like suspension, said apparatus comprising :

- a connecting mould (4), which is provided with a through-opening (5) and being dividable into two or more parts (4a, 4b) relative to at least one plane through the opening, the length of the opening exceeding the length of the capsule;
- a mandrel (6) insertable into the opening (5) of the connecting mould and withdrawable therefrom at one end of the opening, the outer diameter of which mandrel essentially corresponds to the inner diameter of the tubular capsule, and the length of which essentially corresponds to the length of the capsule;
- a pressure needle (7) insertable into and withdrawable from the opening (5) of the connecting mould at the end opposite to the mandrel (6) inlet end the tip of the pressure needle being open and the outer-diameter of it essentially corresponding to the inner diameter of the tubular capsule;
- means for inserting the support (3) into the connecting mould opening (5) from the same end as the mandrel, as well as for withdrawing the support therefrom;
- control means for controlling the mutual operation of the parts (4a, 4b) of the connecting mould (4), the mandrel (6), the pressure needle (7) and the insertion means of the support (3); and
- pressure means for pressurizing the pressure needle (7).

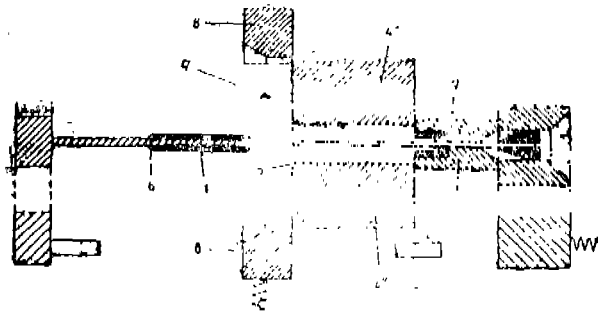


Fig. 1

(Compl. Specn. 9 pages;

Drgs. 4 sheets)

Cl. : 95 K

179Q®

Int. Q.* : B 25 B 23, U.

A SELF-ADJUSTING, SELF-CLAMPING WRENCH.

Applicant A Inventors : MR. CHANDRAKANT VRAJ-LAL SOLANKI AND MRS. TRUPTI HITENDRA SOLANKI, OF OWNER'S COURT, 415 B MOULAI L'ENE, CALCUTTA-700 016, WEST BENGAL, INDIA.

Application No. 421/Cal/1993 filed on 22nd July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

7 Claim*

A self-adjusting, self-clamping wrench which comprises

- (i) a first and second jaw member*;
- (ii) a handle extending longitudinally outwardly from said first jaw member;
- (iii) said first jaw member and handle being pivotally connected to each other through a rivet;
- (iv) said first jaw member having a first jaw and extending through a web into a pair of spaced apart walls for accommodating said handle therebetween, a guide rail on the inner surface of at least one of the walls;
- (v) said second jaw member being provided in a slidable relationship to said first jaw member, and being of a generally L-shape configuration in side elevation and having a second jaw cooperating with said first jaw;
- (vi) said second jaw extending into a web, the face of the web in the proximity of the second jaw having a longitudinal groove for slidable engagement with the rail of said first jaw member, a rack at the opposite face of said web;
- (vii) the handle having a front end with a wormend rack in constant engagement with the rack of said second jaw member;
- (viii) means to bias said first jaw member toward said second jaw member characterised in that the biasing means comprises a recess in at least one wall of said first jaw member for housing a helical spring therein, one end of said spring held within a hole provided in said first jaw member, the opposite end of said spring held to said handle, said spring positioned around said rivet.

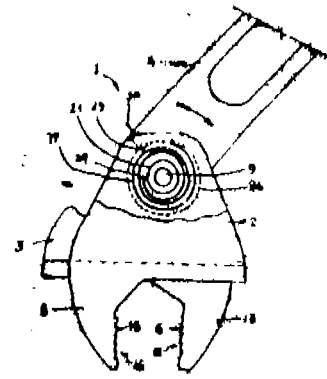


Fig. 1A

(Compl. Specn. 18 pages;

Drgs. 3 sheets.)

d. : 18+56 £+152 E 179060

Int. Cl> : C 08 C 95/00

C 10 C 3/00, 3/04, 3/18.

A-PROCESS FOR THE MANUFACTURE OF SULPHO-NATED BITUMEN.

Applicant & Inventor : SHAKTI RANJAN MISRA, OF 18C/51 PRINCE ANWAR SHAH ROAD, CALCUTTA-700 045, WEST BENGAL* INDIA.

Application No. : 547yCai/1993 filed on 20th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

8 Claims

A process for the manufacture of sulphonated bitumen for industrial and constructional applications comprising the step of :

i. subjecting commercially available oxidised asphalt or paving grade asphalt such as herein described to heating at high temperature of between 160°C-250°C and blowing air by a rotary compressor into the heated mass in an air blowing column for a time sufficient to substantially remove the impurities such as sulphuric acid contained in the asphalt totally;

ii. adding to the reaction mass a catalyst selected from ferric chloride, mineral acid or other acid* selected from phosphoric acid and sulphuric acid in a proportion of 5-75% b/w of the reaction mass;

iii. removing the reaction mass from the air blowing column after the same has attained a softening point of between 135 and 180°C;

iv. adding the reaction mass thus produced, furnace oil or bitumen of 180/200 and 175/225 send* $\Delta r^{*} \text{m}^{\wedge \wedge}$ cut 1B Um proportion at 3-75% b/w of the reaction mass;

optionally adding additive from rubber based soap and micro-crystalline wax.

Compl. Specn : 12 P>a>;

Orgn : Mil.

CL : 173 B

179061

Int. CL : B 05 B 15/04.

METHOD AND APPARATUS FOR INTERMITTENTLY APPLYING PARTICULATE POWDER TO A FIBROUS SUBSTRATE.

Applicant : MCNEIL-PPC, INC., OF VAN LIEW AVENUE, MILLTOWN, NJ08850, UNITED STATES OF AMERICA.,

Inventor : KENNETH ANTHONY PELLEY.

Application No. : 859/Cal/1972 filed on 25th November 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

18 Claims

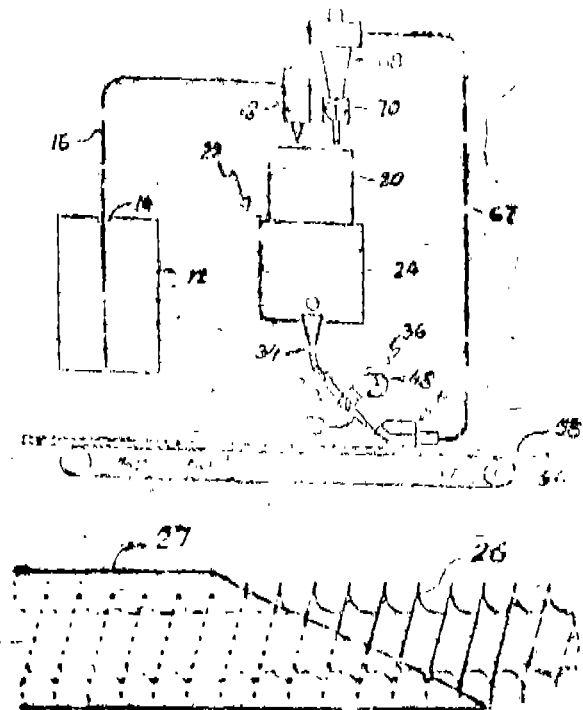
An apparatus (10) for applying particulate powder material to a substrate of fibrous material comprising :

conveyor (50) means for supporting and moving said fibrous substrate in a horizontal path at a predetermined rate;

feeder (22) means having an inlet means and an outlet (30) means, said inlet means being adapted to receive said particulate powder material and said outlet means being adapted to generate a continuous stream of said particulate powder material; and

diverter (36) means disposed above said conveyor means for separating the continuous stream of particulate powder material (51) into first and second intermittent streams of particulate powder material, said first intermittent stream being

applied to said moving fibrous substrate (58) at said predetermined rate and at a predetermined location of said fibrous substrate to form a layer of particulate powder material within a predetermined portion of said fibrous substrate; characterized in that the rotatable metering screw (26) mounted in the feed hopper (24) to discharge an accurately metered quantity of particulate powder through outlet (30) and the diverter (36) comprising a nozzle (38) pivotally mounted (44) to oscillate between the first (47) and second (49) positions of two intermittent streams (51, 53) of particulate powder.

**Fig. 3**

Compl. Specn : 24 pages

Drgns : 3 sheets.

Ct. : 32 B

179062

Int. Cl* : C 08 G 63/62, "

C 08 L 69/00.

A PROCESS FOR PREPARATION OF AROMATIC COPOLYCARBONATE FROM RESORCINOL.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 12345 NEW YORK, UNITED STATES OF AMERICA,

Inventor : PAUL CLETUS RAYMOND.

Application No. : 924/Cal/1992 filed on 28th December, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

4 Claims

A process for preparation of aromatic copolycarbonates from resorcinol having from about 2 to 30 mole % of the total repeating carbonate units derived from resorcinol which comprises reacting a dihydric phenol and resorcinol with a carbonate precursor such as herein described under interfacial conditions wherein the amount of said resorcinol is sufficient to provide from about 2 to 30 mole % of resorcinol derived carbonate units of the total carbonate units, and wherein said dihydric phenol and said resorcinol are reaction formulation which is purged with an inert gas prior to reaction with the carbonate precursor.

Compl. Specn. 11 pages;

Drgns : Nil.

Cl. : 108 CB

179063

In*. Cl.¹ : C21B 13/00.

A PROCESS FOR PRODUCING LIQUID IRON BY HEATING AND MELTING SPONGE IRON IN LUMP FORM AND AN APPARATUS FOR THE SAME.

Applicant : KORTEC AG., OF BAARERSTRASSE 21, CH-6300 ZUG SWITZERLAND.

Inventor : WILLIAM WELLS.

Application No. 292/Cal/1993 ffiled on 26th May, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

13 Claims

A process for producing liquid iron by heating and melting sponge iron in lump form in which the sponge iron is charged into preheater,

heated therein by passing hot gas* as herein described through the charge in heat exchange relationship,

then passed from the preheater on to a coke bed heated by means of oxygen or hot air in a cupola and there melted, and

the molten material after passing through the coke bed is collected in the lower part of the melting furnace, wherein

the hot gas for the preheater is at least partially obtained from the waste gas of the melting furnace,

characterised in that

the operation of heating the sponge iron in the preheater is effected in at least two separate preheating stages at different temperatures, having range between 250°C to 900°C to which the sponge iron is successively fed, and in which the temperature and the gas atmosphere are respectively individually controlled by a temperature sensor and a gas sensor in such a way that, by virtue of the temperature and the composition of the plurality of hot gases which are introduced into the preheating stages, a chemically neutral gas atmosphere is set in the first pre-heating stage at the lowest temperature and a reducing gas atmosphere is set in the last preheating stage at the highest temperature.

Compl. Specn : 13 page»

Drgn» : 1 sheet

O. : 136 E

17906+

Int. Q> : B If C 49/28, 49/64.

METHOD FOR REHEATING COLD PREFORM BLANKS FOR THE MANUFACTURE OF PLASTIC HOLLOW ARTICLES BY BLOW MOLDING AND APPARATUS FOR CARRYING OUT SUCH METHOD.

Applicant : BEKUM MASCHINENFABRIKEN GMBH, OF LANKWITZER STRASSE 14-15, 1000 BERLIN 42, GERMANY.

Inventors :

(1) FRANZ GITTNER.

(2) UWE-VOLKER ROOS.

Application No- 308/Cal/1993 filed on 3rd June, 1993.

(Convention No. 2093, 846 on 13-4-93 in Canada).

Appropriate Office for Opposition Proceedings* (fyije 4, Patent Rule 1972), Patent Office Calcutta.

14 Claims

A method for reheating cold preform blanks, for the manufacture of plastic hollow articles by blow molding wherein said blanks are conveyed through heating and cooling sections and frequently are introduced to a blow molding

apparatus for inflation of said preform blank* into hollow articles, the method comprising the steps of :

- Rotating said preform blank* while conveying them along a predetermined path whereby said preform blanks are first conveyed through a temperature equalizing section then through a heating/cooling section and finally through a surface treatment and tempering section;
- Heating said preform blanks on one side of said path and simultaneously cooling them on the opposite side of said path while continuing to convey them along said path in said heating/cooling section; and
- Exposing said preform blanks to heated air contained within a substantially enclosed space* while continuing to convey them along said path in said surface treatment and tempering section,

(Compl. Specn. 25 pages;

Drgm. 1 sheet.)

a. : 76 I

1,7*«3

Int. Cl.⁴ : E 05 B 59/06.

LATCH AND LOCKSET SYSTEM.

Applicant : HQPPE AG, OF CH-7537 MUSTAIR, SWITZERLAND.

Inventors :

(1) FRIEDRICH HOPPE

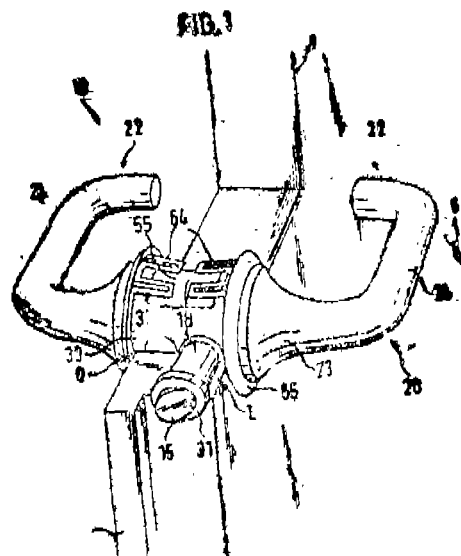
(2) HEINZ-ECKHARD ENGEL.

Application No. 313/Cal/1993 filed on 8th June, 1993

Appropriate Office for Opposition Proceedings* (Rule 4, Patent Rule 1972), Patent Office Calcutta.

20 Claims

Latch and lockset system including a lockset (10) for mounting in two bores (L, Q) the axes of which intersect substantially perpendicularly thereby defining a common horizontal plane in a door panel (T), the lockset (10) comprising a pair of opposed handle* (22), each handle* (20) having a neck (23) and further comprising socket (30) seated in a rotor (40), a catch (50) of which acts upon a spring-biased bolt (15) that extends through a guide sleeve (18) in a longitudinal bore (1) and is movable along an axis (V) of longitudinal movement, characterised in that lockset (10) with socket (30), rotor (40), catch (50), and handle pair (22) form a common unit adapted to be mounted as a whole by insertion in the transversal bore (Q) within the door panel (T) by fastening the guide sleeve (18) through the longitudinal bore (L) to the socket (30) and the bolt (15) is inserted through the guide sleeve (18) to lock in the catch (50).



(Compl. Specn. 15 pages;

Drgm. 6 sheets.)

CJ. : 127 D

173D66

O. : 188

179067

Int. Cl.* : F 16 H 3/16, 3/22,

Int. Q.' : H 01 L 21/20.

SU&PT ENABLE CONTROL SYSTEM.

Applicant : EATON CORPORATION, OF 1111
SUPERIOR AVENUE, CLEVELAND, OHIO 44114,
UNITED STATES OF AMERICA.

Inventors :

- (1) RONALD KEITH MARKYVECH
- (2) THOMAS ALAN GENISE.

Application No. 335/Cal/1993 filed on 16th June, 1993.

Appropriate Office for Opposition Proceeding* (Rule 4, patent Rule 1972), Patent Office Calcutta.

7 Claim*

A control system for controlling the at least partially automated implementation of selected shifts of a vehicular mechanical change gear transmission system comprising a controlled throttle controlled engine (E) having a determined torque capacity, a multi-speed change gear mechanical transmission (10) having a plurality of known gear ratios, an input shaft (16) and an output shaft (90), adapted to drive vehicular drive wheels, a first sensor (98) for providing a first input signal indicative of transmission input shaft (16) rotational speed, a second sensor (100) for providing a second input signal indicative of vehicle speed, a third sensor (DL) for providing an input signal indicative of engine torque and a controllable transmission actuator (112, 70, 96) for controlling shifting of the transmission, said control system characterized by;

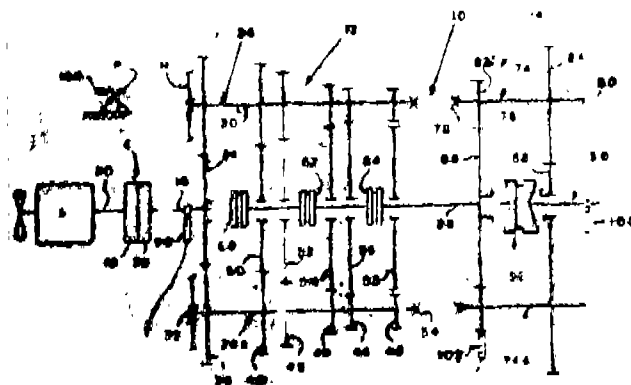
means (ECU 106) for storing a value indicative of a predetermined minimum acceptable vehicle acceleration after an Upshift (A_o),

means (ECU 106) for determining the desirability of a shift from a currently engaged transmission ratio to fit target transmission ratio,

means (ECU 106) for determining as a function of at least currently engaged gear ratio and said input signals indicative of (i) current engine torque and (ii) current vehicle acceleration, the expected drive wheel torque (T_o) to maintain at least said minimum vehicle acceleration (A_o) under current vehicle operating conditions and at zero engine torque to the drive wheels;

means (ECU 106) for determining as of function (i) expected drive wheel torque (T_o) to maintain at least said minimum vehicle acceleration (A_o) under current vehicle operating conditions, (ii) the gear ratio of the selected target gear ratio and (iii) the expected maximum available torque to the drive wheels in the target gear ratio, the feasibility or infeasibility of achieving substantially synchronous condition for engagement of the target ratio if the selected shift is implemented, and

means (ECU 106) for causing the initiation of a Reacted shift only upon a determination of feasibility of achieving substantially acceptable condition for engagement of the target gear ratio.



(Compl. Specn. 20 pages;

Drgns. 5 sheets)

APPARATUS AND PROCESS FOR COATING SUBSTRATES IN SEMI-CONDUCTOR PRODUCTION.

Applicant : STEAG MICROTECH GMBH, OF CARL-BENZ-STRASSE 10, D-72124 PLIEZHALSEN, GERMANY-

Inventori :

- (1) EBERHARD MUEHLFRIEDEL
- (2) MARTIN KALLIS
- (3) KARL APPICH.

Application No. 531/Cal/1993 filed on 10th September, 1993.

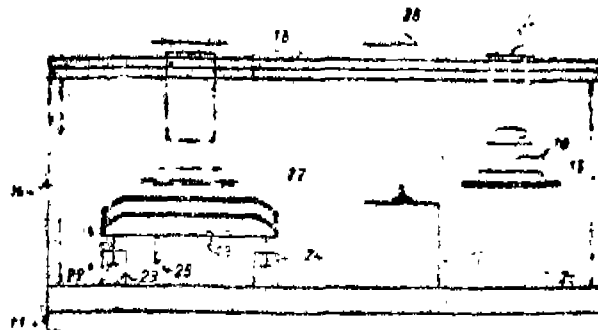
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

13 Claim*

Apparatus for coating substrates in semi conductor production in, two steps, characterized in that, it comprises;

a capillary means for precoating A surface to be coated of a substrate with a coating of a coating medium; and

a means for spinning the substrate so as to make the coating more uniform and thinner in a spinning operation.



(Compl. Specn. 12 pages;

Drgns. 3 sheets)

CI. : 116 C

17»W»

Int. Cl.* : B 65 G 33/14

"TRANSPORTING DEVICE."

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ, 8000 MUENCHEN 2, GERMANY.

Inventor : 1. HARTMUT HERM, 2. KARL MAY, 3. KARLHEINZ UNVERZAGT.

Application No. 53S/C61/1993 filed on 13th September, 1993.

Appropriate office for opposition proceeding* (Rule 4, Patent Rule 1972) Patent Office Calcutta.

11 Claims

Transporting device having a conveyor worm (3) which is rotatable about its longitudinal axis and is disposed in a housing (6) exhibiting a feed opening (7) and a discharge opening (8), characterized in that in one part-section of the housing (6) the conveyor worm (3) has a part-element (3a) having a higher pitch than elsewhere, said part-element (3a) being disposed between two part-elements of the conveyor worm (3) having a lower pitch.

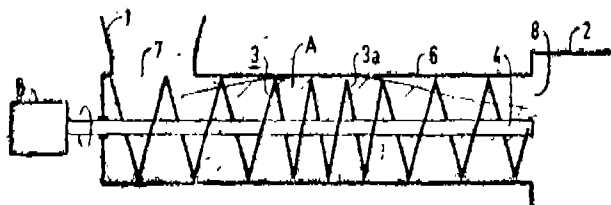


FIG 1

(Compl. Specn. : 12 pages;

Drgns : 3 sheets)

Cl. : 48 D»

179069

Int. Cl> : H 01 C 7/12

"A THYRISTOR VALVE ARRESTOR."

Applicant : HITACHI, LTD., OF 6 KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO 101, JAPAN.

Inventors : 1. SHINGO SHIRAKAWA 2. SHUICHI TERAKADO.

Application No. 685/Cal/1993 filed on 10th November, 1993.

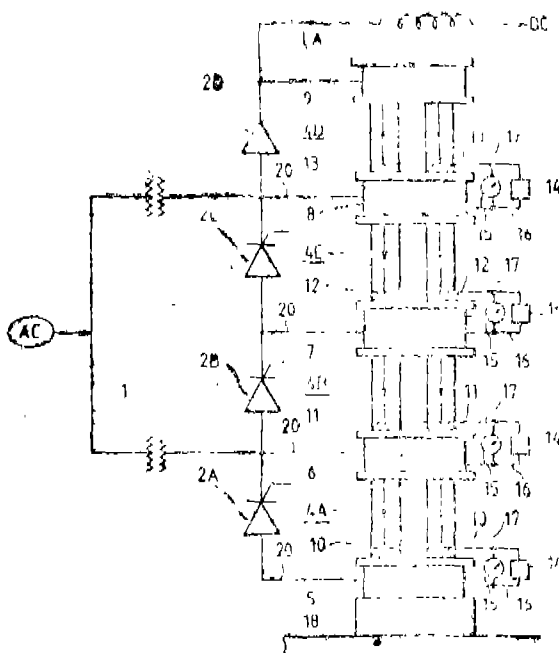
Appropriate office for opposition proceeding* (Rule 4, Patent Rule 1972) Patent Office Calcutta.

5 Claim»

A thyristor valve arrester for connection to a multi-stage-thyristor valve comprising a plurality of arrester sets, each with a plurality of arrester units arranged in parallel, characterised in that;

a plurality of inter-stage connecting conductors respectively arranged adjacent to one of the arrester sets through an insulator, a subset of the inter-stage connecting conductors being further respectively arranged between successive arrester sets;

wherein the arrester sets and the inter-stage connecting conductors are stacked virtually vertically.



(Compl. Specn. : 17 pages;

Drgns. : 5 sheets)

01., : 32 F-4

179070

Inf. Cl. : C 07 F 9/50

"A PROCESS FOR THE PREPARATION OF CHIRAL 2, 5-DISUBSTITUTED PHOSPHOLANE."

Applicant : E I DU PONT DE NEMOURS AND COMPANY, OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : MARK JOSEPH BURK.

Application No. 515/0071995 filed on May, 1995.

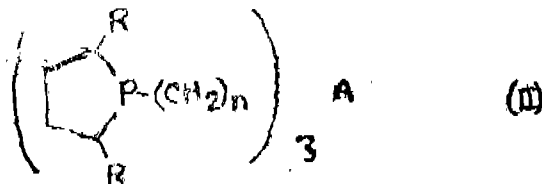
(Divided out of No. 308/Cal/1991 antedated to 23-4-1991).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1472) Patent Office Calcutta.

3 Claims

WE CLAIM :

A process for the preparation of a compound of formula*



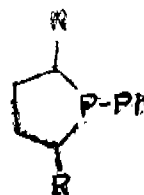
wherein

R is a lower alkyl, trifluoromethyl, phenyl, substituted phenyl, aralkyl or ring-substituted aralkyl;

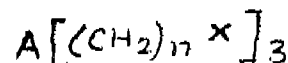
n is an integer having a value of from 1 to 11;

and CCH₃, CH₃, N or P;

comprising reacting in an inert atmosphere at a temperature range of -73°C to 40°C with a substituted phospholane of formula III



wherein R is as defined in formula II, with lithium and an aryl compound of formula



wherein X is a halogen and A is as defined in formula II, to yield the desired compound of formula II.

(Compl. Specn. : 25 pages;

Drgns. : Nil)

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by M/s. S. B. Reshellers Pvt. Ltd., Kolhapur-416122, Maharashtra, India in respect of Patent No. 175902 (246/Bom/1992) as advertised in Part III, Section 2 of the Gazette of India on 28-9-1996 and no opposition being filed within the stipulated period, the same amendments have been allowed.

Notice is hereby given that ENGELHARD CORPORATION, of 70, Wood Avenue, South Iselin, New Jersey 08830, a Corporation organized and existing under the laws of the State of Delaware, United States of America have made an application under Section 57 of the Patent Act, 1970 for

amendment of specification of their application for Patent, No. 177327 for "A process for conversion of organic compound using; crystalline-titanium-silicate kieve zeolite."

Amendments art by way of change of address of the applicant and inventor i.e. STEVEN MITCHELL KUZNICKI.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta 700 020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

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PATENT SEALED ON 17-07-97

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CAL-26, DEL-NTL, MUM -04, CHEN-NIL

Patent shall be deemed to be endorsed with the word "LICENCE OF RIGHT Under Section" 87 of the Patent Act., 1970 from the date of expiration of three years from the date of sealing.

D Drug Patent?

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section, 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 171295, Chrysler Corporation, incorporated in Delaware, U.S.A., of 12000 Chrysler Dr., Highland Park, MI 48188-1919, U.S.A., "Automobile Body", 9th May 1996.

Class 1. No. 171264 to 171269, Chrysler Corporation, incorporated in Delaware, U.S.A. of 17000 Chrysler Dr., Highland Park, MI 48288-1919, U.S.A., "Automobile Body", 6th May 1996.

Class 1. No. 172346, Dr. Belim Ram (Soni Ram), 3/17, Asaf Ali Road New Delhi 110002, India, a proprietorship firm, "Weighing Machine", 14th October 1996.

Class 1. No. 171096, T. N. M. H. Amirh-irid T. imtted, 48/50 Kinvara Chawl, Kalbadevi Rd. Rnmhav 401012, Maharashtra, India, "Control Valve for Pressure Cooker", 15th April 1996.

CIPSN 1, No. 171097, T. N. M. H. Amirh-irid T. imtted, 48/50 Kanwar Chawl, Kalbadevi Rd. Bombay 400002, Maharashtra, India, "Control Valve for Pressure Cooker", 15th April 1996.

Class 1, No. 171450, N. L. B. T. i. m. l. chand Limited, 48/50 Knsara Chawl, Kalbadevi Rd., Bombay 400002, Maharashtra, India, "Hand Washer", 6th June 1996.

Class 3. No. 171121, The Procter & Gamble Company of OH Procter & Gamble Plu/n. Cininnfi State of Ohio, U.S.A., "Bottle", 17th April 1997.

Class 3. No. 171224, Core Health Care Ltd., having its office at Core Tower, Nr. Primal Crossing, E. B. D. J. E. Ahmrhadah 380006, Gujarat, India, "Syringe & Needle Destroyer", 30th April 1996.

Class 3. Nos. 169881 & 169884, Asian Micro Sources Inc., a corporation of the State of California, U.S.A. of 329 Rheem Boulevard, Moraga, California 94556, U.S.A., "AC Modular Plug", 21st September 1995.

Class 3. No. 172200, Singer India Ltd., having its office at 3 Devika Road, 6 Nehru Place, Delhi-110019, India "Mixie", 17th September 1996.

Class 3. No. 172157, Crystal Plastics & Metallizing Pvt. Ltd., having its registered office at Onchi House, Palkhi Gali, Off. Veer Savarkar Marg, Prabhadevi, Mumbai 400025, Maharashtra, India, "Comb", 17th September 1996.

Class 3, No. 172124, Kim Kraits Pvt. Ltd., having its office at 20, Patpanrani, Delhi 110091, India "Jewellery Display Unit", 11th September 1996.

Class 3. No. 170958, Black & Decker INC, n, Delaware corp, of Druimmond Plaza Office Park, 1423, Kirkwood Highwa, Newark, Delaware 19711, "U.S.A., "PortaWe • Fan", 25th March 1996.

Class 1. No. 171328, Eicher Tractors Engineering Centre, Plo: No. 8, Sector-4, BaUabh«arh 121004, Haryana, India, "Tractor", 13th May 1996,

Class 1. No. 171339, U. P, National Manufacturers Ltd., of Rarakatora Road, P.O. Box. 1068, Varanasi-221001, U.P., Tndia, "Vertical Pump", 16th May 1996.

Clais 1. No. 170083, India Sanitary Industries, 1830, Lai Darwaza, B; far Sirkiwalan, Lai Kuan, Delhi-110006, Indi", an Indian partnership firm, "Auto Siphom", 30th October 1995,

Classi 3. No. 170351, Colgate-Palmolive Company, a Delaware coip. of 300 Park Avenue, New York, New York-10022, U.S.A., "Dispenser", 6th December 1995.

Class 3. No. 170362, Klaus Equipment Pvt. Ltd., of 4th floor 167 Dr. Annie Besant Road, Wprli, Bombay-400018. Maharashtra, India, "Printer", . 8th December W95.

Claw 3, No. 169943. MAPCO Structural Foam Pvt HA.. «t No. 36-B, Raghava Ratna Towers, Chirac Ali l^ne, Hyderabad 500001, A.P., India, Multi-purpose Stand", 29th September 1995.

Clam 4, Noiv. 172256 & 172257, Pedder & Pedder Tiles Ltd., having office at 603, Keshava, Bandra-Kurla Complex, Bandra, (F.), Mumbai 400051, Maharashtra*, (ndia, "Tik", 26th September 1996.

Class 4. Nos. 172421, Pedder & Pedder Tiles Ltd., having office at 603, Keshava, Bandra Kurla Complex, Bandra (E), Mumbai 400051, Maharashtra, IndU> "Tile", 17 October. 1996.

Clan 4. No. 171213, Amrut Distilleries Ltd., an Indian company at 36 Sanapaneil Tank Road, Bangilori*-560027, Karnataka, India, "Bottle", 30th April 1996.

T, R. SUBRAMANIAN
Coatroller General of P>»nt, Detign & Trade Mark*

प्रबन्धक, भारत सरकार मद्रणालय, फरविवाव द्वारा मुद्रित

एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1997

FWNTBD BY THE MANAGER, GOVERNMENT OF INDIA PMM, FAKUKSIB,
mm PUBUSODD vr THE CONIHOLUX or rvauxenam, M H , 1997